

Applicant : Jack Yiu-Bun Lee
Serial No.: 09/945,345
Filed : August 30, 2001

Attorney's Docket No.: 17329-004001

REMARKS

The undersigned is authorized by the assignee of this application and Applicants to replace prior patent counsel on this case. A fully executed power of attorney will be filed.

Claims have been amended to place the application in condition for allowance. More specifically, Claims 2, 4 and 15 have been amended to clarify the claim language and to more distinctly claim the subject matter as fully described in the original specification. Claims 18-21 have been cancelled. In addition, Claims 22-34 have been newly added based on the original specification which includes the entirety of the U.S. Provisional Application No. 60/228,772 from which this application claims priority. No new matter is added. Upon entry of the above amendments, Claims 2-17 and 22-29 are pending and under consideration on their merits.

The specification of this application is not amended at this time. However, various features in the currently amended claims, including specific features in implementing error corrections under both FEC and ARQ, are in the U.S. Provisional Application No. 60/228,772 which is incorporated by reference as part of the present application. Applicants will amend the specification to copy relevant parts of the U.S. Provisional Application No. 60/228,772 into the current application in due course.

Reconsideration and allowance of the present application as amended above are respectfully requested.

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Claims 2-21 filed on April 5, 2002 stand rejected under either 35 USC 102(e) over Zehavi or 35 USC 103(a) over Zhavi in view of Chou alone or in view of Chou and further in view of Ayanoglu. The amended Claims 2-17 and 22-34, however, are distinctly patentable over the cited prior art.

The cited prior art teaches use of the FEC and ARQ to correct transmission errors in communication systems. The present claims, however, specifically disclose implementing techniques that are entirely missing from the teaching of the cited prior art references, either individually or collectively.

Claim 2 as amended, for example, recites buffering data at a transmission server and at each receiver to support error correction by both retransmission at the transmission server and the forward error correction at the receiver and to allow for continuous play of the video signal at each receiver. Support for this feature can be found in the original application, e.g., the incorporated provisional application where the detailed buffer designs are disclosed for both passive and active recovery using a hybrid error correction based on FEC and ARQ.

The cited prior art discloses various techniques for handling the error corrections. But nothing in the cited prior art describes or suggests this aspect of Claim 2 as amended on the specific implementations of the error handling techniques. Therefore, Claim 2 is patentable under 35 USC 102 and 103 over the cited prior art.

Similarly, Claim 15 as amended recites buffering received data at the receiver, including data of retransmission, to allow

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for continuous play of the video content received at the receiver. Once again, the cited prior art fails to teach this feature. Claim 15 as amended, therefore, is patentable.

The newly added independent Claim 25 recites buffering video data, retransmission data for implementing automatic repeat request and redundancy data for implementing forward error correction at a server and each of a plurality of receivers in the network to support error correction by both retransmission under the automatic repeat request and the forward error correction, configuring buffer space at the receiver and each receiver, to allow for continuous play of the video received at the receiver, and performing both retransmission under the automatic repeat request and the forward error correction to correct errors in video data received at each receiver to reduce traffic overhead at the server. These features are completely absent in the cited prior art. Therefore, Claim 25 is patentable.

The dependent claims of Claims 2, 15 and 25 are patentable based on the above arguments and on their own merits. For example, claims 22 and 23 recite specific buffering techniques that are entirely missing from the disclosure of each and every cited prior art reference.

In view of the above, Applicant respectfully submits that all pending claims are distinctly different from and are patentable over the cited prior art under both 35 USC §§102 and 103 and an official notice of allowance, therefore, is requested.

This response is filed timely with a 3 month extension of time. Please apply \$125 for excess claim fees, \$510 for the

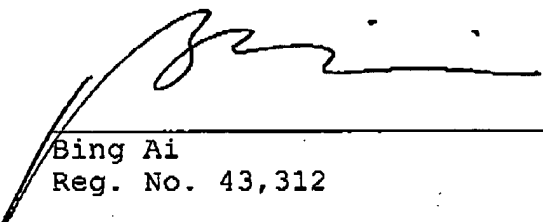
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3 month extension of time fee, and any other applicable charges
or credits, to Deposit Account No. 06-1050.

Respectfully submitted,

Date: October 5, 2005



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